

Kiprim DR120

KIPRIM DR120 Laser Distance Meter User Manual

Model: DR120

1. INTRODUCTION

The KIPRIM DR120 is a versatile laser distance meter designed for accurate and efficient measurements in various applications, including home improvement, DIY projects, and professional construction. It features a dual bidirectional laser, a vertical laser marking line, an integrated electronic level, and multiple measurement modes to enhance precision and ease of use.

What's in the Box

- 1 x KIPRIM DR120 Laser Distance Meter
- 1 x Carrying Pouch
- 1 x User Manual
- 1 x Wrist Strap
- 1 x Type-C Charging Cable
- 1 x Reflector

APPLICAZIONI MULTIPLE



Ristrutturazione e Ristrutturazione



Rilievi e Ispezioni



Ingegneria



Progetti DIY



Figure 1: Package Contents of the KIPRIM DR120 Laser Distance Meter.

The KIPRIM DR120 is equipped with an 850 mAh Lithium-Ion battery, rechargeable via USB-C, offering long operational autonomy. Its compact design and clear backlit display ensure readability in various lighting conditions.

2. SAFETY INFORMATION

Please read and understand all safety instructions before using the device. Failure to follow these instructions may result in laser radiation exposure, electric shock, fire, or serious injury.

Laser Safety

- **CAUTION:** Laser Radiation. Do not stare into the beam or view directly with optical instruments.
- This device uses a Class 2 laser product. Maximum output power <1mW at 635nm.
- Do not attempt to disassemble or modify the device. Repairs should only be performed by authorized service personnel.
- Keep the device out of reach of children.

- Avoid pointing the laser beam at people or animals.
- Do not use the device in explosive environments or near flammable materials.

3. PRODUCT OVERVIEW

Familiarize yourself with the components and controls of your KIPRIM DR120 Laser Distance Meter.



Figure 2: KIPRIM DR120 Laser Distance Meter Parts Diagram.

1. Laser On/Off Icon
2. Laser Marking Line
3. Reference Point (7 Sides)
4. Distance Measurement Icon
5. Mode Indicator for Area and Volume Measurement
6. Pythagorean Measurement Mode Symbol
7. Memory Icon
8. Angle Value

9. Clear (Back) / Power Off Button
10. Add +/- Subtract Buttons
11. Type-C Charging Port
12. Laser Marking Line Power On/Off Button
13. Tripod Screw Hole
14. Power On / Measure Button
15. Reference Point Selection Button
16. Function / Record Button
17. Unit / Mute Button

4. SETUP

Charging the Device

The KIPRIM DR120 is equipped with a built-in rechargeable Lithium-ion Polymer battery. Before first use, fully charge the device.

- Connect the provided USB-C charging cable to the Type-C charging port (11) on the device.
- Connect the other end of the cable to a standard USB power adapter (not included) or a computer's USB port.
- The battery indicator on the display will show charging status. A full charge typically takes approximately 1.5 hours.
- A full charge provides approximately 8000 measurements or 4 hours of continuous operation.



Figure 3: 850 mAh Lithium-Ion Battery with USB-C Charging.

Power On/Off

- To power on the device, press the Power On / Measure Button (14).
- To power off the device, press and hold the Clear (Back) / Power Off Button (9) for a few seconds. The device will also automatically power off after a period of inactivity to conserve battery.

5. OPERATING INSTRUCTIONS

Unit Conversion

Press the Unit / Mute Button (17) repeatedly to cycle through measurement units: meters (m), feet (ft), and inches (in).

Reference Point Selection

The device can measure from different reference points (front, rear, or tripod mount). Press the Reference Point Selection Button (15) to change the measurement origin. The current reference point is indicated on the display.

7 TIPI DI MISURAZIONI

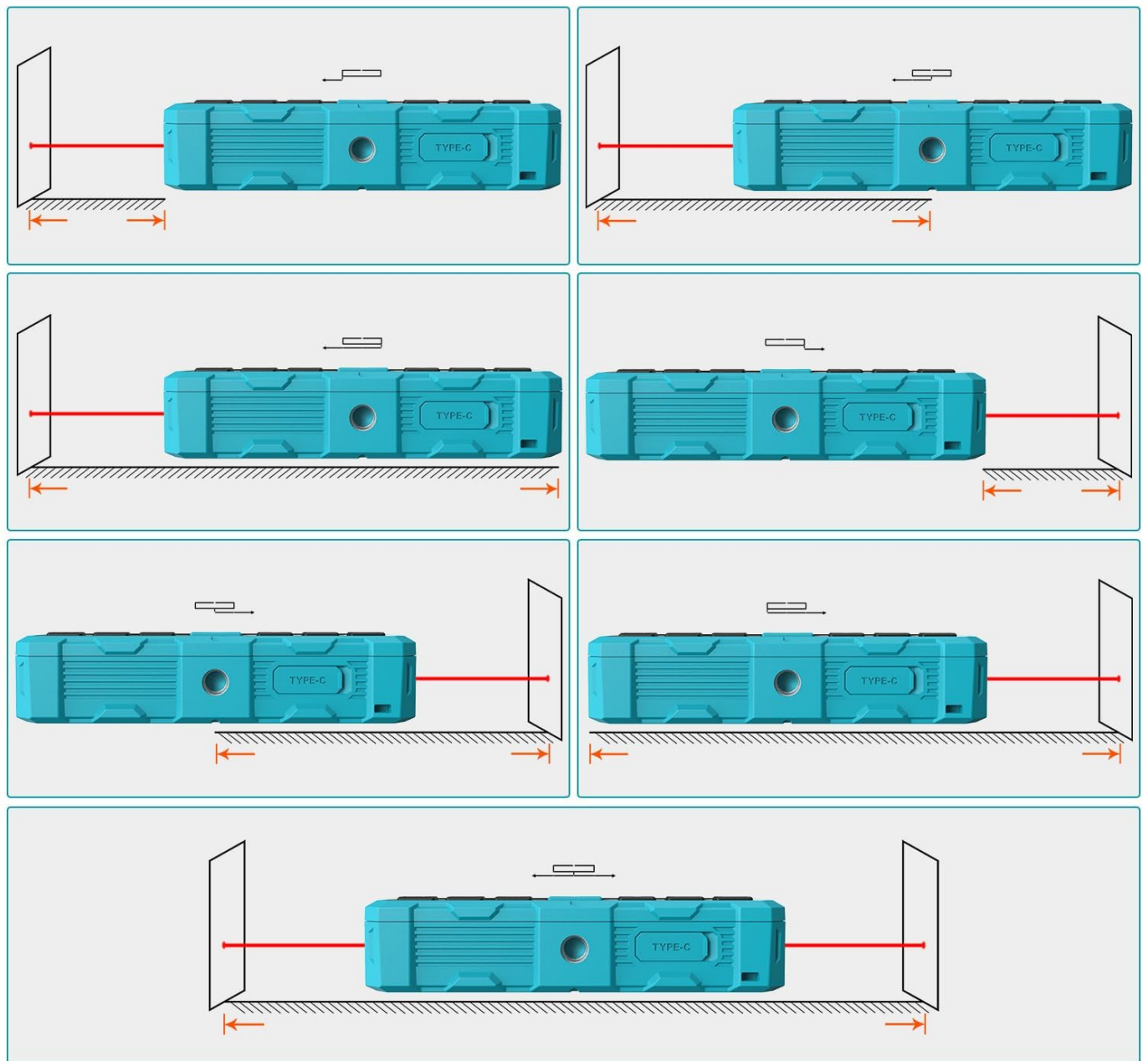


Figure 4: Seven Types of Measurement Origins.

Measurement Modes

The KIPRIM DR120 supports multiple measurement modes. Press the Function / Record Button (16) to cycle through the available modes:

- **Single Measurement:** Press the Power On / Measure Button (14) once to activate the laser, then press again to take a single measurement.
- **Continuous Measurement:** From single measurement mode, press and hold the Power On / Measure Button (14) to enter continuous measurement. The device will continuously measure and display the maximum and minimum values. Press again to exit.
- **Area Measurement:** Press the Function / Record Button (16) until the area icon (rectangle) appears. Take two consecutive measurements (length and width). The device will automatically calculate and display the area.
- **Volume Measurement:** Press the Function / Record Button (16) until the volume icon (cube) appears. Take three consecutive measurements (length, width, and height). The device will automatically calculate and display the volume.

- **Pythagorean Measurement:** Press the Function / Record Button (16) to select one of the Pythagorean modes (e.g., indirect height measurement). Follow the on-screen prompts to take the required measurements (e.g., hypotenuse and one leg) to calculate the unknown side.

ANGOLO ELETTRICO

Sostituisce le bolle tradizionali per misurazioni più intuitive e veloci



Figure 5: Seven Measurement Modes including Single, Continuous, Area, Volume, and Pythagorean.

Vertical Laser Line

The vertical laser line assists in positioning shelves, pictures, and other decorative elements. It facilitates alignment without manual markings, improving positioning accuracy.

- Press the Laser Marking Line Power On/Off Button (12) to activate the vertical laser line.
- Use the line for precise alignment on walls or other surfaces.

LINEA DI MARCATURA LASER VERTICALE PER UN POSIZIONAMENTO PRECISO

Campo di applicazione: distanza della linea di marcatura laser verticale $\leq 3\text{m}$



Figure 6: Vertical Laser Marking Line for Precise Positioning.

Electronic Level

The integrated electronic level detects angles in real-time, ensuring correct alignment for tiles, suspensions, and home construction work.

- The device automatically displays the current angle on the screen.
- Use this feature to verify horizontal or vertical alignment.

DOPPIO LASER AD ALTA EFFICIENZA



Figure 7: Electronic Angle Measurement for intuitive and fast readings.

Dual Bidirectional Laser

The dual bidirectional laser allows for quick measurements from both sides, ideal for enclosed spaces and rapid positioning. This feature is designed as an aid for positioning; for critical measurements, it is recommended to verify with multiple points.

Memory Function

The device can store up to 50 measurement values. Press the Function / Record Button (16) to access the memory. Use the arrow buttons to navigate through stored data.

50 Set di Dati Archiviati



Figure 8: The KIPRIM DR120 can store up to 50 data sets.

Official Product Video

Your browser does not support the video tag.

Video 1: This official Kiprim video demonstrates general operations of a Kiprim laser distance meter, including basic measurements and mode selections. Note that specific features or models shown may vary slightly from the DR120.

6. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your KIPRIM DR120 Laser Distance Meter.

- **Cleaning:** Use a soft, damp cloth to clean the device. Do not use abrasive cleaners, solvents, or immerse the device in water. Pay special attention to keeping the laser lens clean and free of dust.
- **Storage:** Store the device in its protective pouch in a cool, dry place when not in use. Avoid extreme temperatures and direct sunlight.
- **Battery:** If storing for an extended period, ensure the battery is partially charged (around 50%) and recharge it every few months to prevent deep discharge.

7. TROUBLESHOOTING

If you encounter issues with your KIPRIM DR120, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not turn on	Low battery; Device malfunction	Charge the battery fully; If issue persists, contact support.
Inaccurate measurements	Unsuitable measurement conditions (e.g., strong light, reflective surfaces); Incorrect reference point; Device not stable	Use in moderate or low light; Ensure target surface is non-reflective; Select correct reference point; Place device on a stable surface or tripod. For critical measurements, verify with multiple points.
Laser beam not visible	Strong ambient light; Laser is off	Use in dimmer conditions or use the included reflector; Ensure laser is activated by pressing the measure button. Visibility in direct sunlight is typically reduced for this type of device.

Problem	Possible Cause	Solution
Display error message	Measurement out of range; Internal error	Ensure target is within 0.05m to 120m range; Restart the device. If error persists, contact support.

Note on Precision: While the device offers standard precision for home and hobby use, some users have reported variations in accuracy, particularly with the dual-beam function or in bright conditions. For highly critical measurements, it is always recommended to perform multiple checks and use appropriate measurement techniques.

8. SPECIFICATIONS

Key technical specifications for the KIPRIM DR120 Laser Distance Meter:

Feature	Specification
Brand	Kiprim
Model Number	DR120
Measurement Range	100 meters - 120 meters
Accuracy	Standard precision for home/hobby use (typically ± 2 mm, but can vary)
Battery Type	Rechargeable Lithium-ion Polymer
Battery Capacity	850 mAh
Charging Port	USB-C
Display	Backlit LCD
Units of Measurement	Meters (m), Feet (ft), Inches (in)
Memory Storage	Up to 50 values
Material	ABS, Plastic
Color	Green
Item Weight	80 Grams
Country of Origin	China

9. WARRANTY

The KIPRIM DR120 Laser Distance Meter comes with a 12-month warranty from the date of purchase. This warranty covers manufacturing defects and material faults under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear. Please retain your proof of purchase for warranty claims.

10. SUPPORT

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact Kiprim customer support. Refer to the contact information provided with your product packaging or visit the official Kiprim website for the most up-to-date support details.

We are committed to providing high-quality products and excellent customer service.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question